

Title (en)
MOUNTING HEAD CLEANING DEVICE

Title (de)
REINIGUNGSVORRICHTUNG FÜR MONTAGEKOPF

Title (fr)
DISPOSITIF DE NETTOYAGE DE TÊTE DE MONTAGE

Publication
EP 2838332 A4 20150701 (EN)

Application
EP 12874200 A 20120409

Priority
JP 2012059684 W 20120409

Abstract (en)
[origin: EP2838332A1] [Object] There is provided a mounting head cleaning device in which a mounting head itself including a rotary head can be set on a cleaning unit and which not only can clean air passages formed in the mounting head but can also check the performance of the mounting head after cleaning. [Solving Means] A cleaning unit 90 on which a mounting head 47 is detachably mounted includes: switching means (105, 115) for selectively supplying air, which is supplied from an air supply source 101, to passages 116 and 117 for cleaning or a passage 106 for checking; introducing means (131, 132, 133) for introducing air into respective negative-pressure air passages 85, which are formed in the mounting head and are connected to a plurality of suction nozzles 55, from the passages for cleaning or the passage for checking that is selected by the switching means; and air measuring means (108, 112) provided in the passage for checking.

IPC 8 full level
H05K 13/00 (2006.01); **H05K 13/04** (2006.01)

CPC (source: CN EP)
H05K 13/0404 (2013.01 - CN EP); **H05K 13/0408** (2013.01 - CN); **H05K 13/0409** (2018.07 - EP); **H05K 13/0895** (2018.07 - EP)

Citation (search report)
• [YDA] JP 2011003679 A 20110106 - FUJI MACHINE MFG
• [YA] WO 03092918 A1 20031113 - EMAG AG [DE], et al
• See references of WO 2013153598A1

Cited by
CN112367827A; US9549495B2; US11246250B2; US10568244B2; CN108861700A; EP3944731A4; US11683923B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2838332 A1 20150218; EP 2838332 A4 20150701; EP 2838332 B1 20160921; CN 104206046 A 20141210; CN 104206046 B 20170315; CN 106102439 A 20161109; CN 106102439 B 20190409; JP 6066999 B2 20170125; JP WO2013153598 A1 20151217; WO 2013153598 A1 20131017

DOCDB simple family (application)
EP 12874200 A 20120409; CN 201280072176 A 20120409; CN 201610664091 A 20120409; JP 2012059684 W 20120409; JP 2014509918 A 20120409